

**Amendments to the Claims**

This listing of the claims will replace all prior versions and listings of the claims in the instant application.

1-20. (Canceled)

21. (Currently Amended) An isolated polypeptide fragment of the 350 amino acid Vascular Endothelial Growth Factor-2 polypeptide shown in SEQ ID NO: 4, wherein said fragment retains the amino acid sequence comprising the conserved eight cysteine residues at positions 38, 63, 69, 72, 73, 80, 116 and 118 of SEQ ID NO:4 and migrates on a SDS-PAGE gel at a molecular weight of about 21 kDa.

22. (Original) The polypeptide fragment of claim 21, which promotes angiogenesis.

23. (Original) The polypeptide fragment of claim 21, which promotes endothelialization.

24. (Original) The polypeptide fragment of claim 21, which promotes vascularization.

25-31. (Canceled)

32. (Previously Presented) An isolated polypeptide comprising an amino acid sequence at least 95% identical to amino acids 2 to 419 of SEQ ID NO:18, wherein the polypeptide proliferates endothelial cells.

33-35. (Canceled)

36. (Previously Presented) The isolated polypeptide of claim 32, wherein the amino acid residues from 154 to 167 of SEQ ID NO:18 are conserved.

37-38. (Canceled)

39. **(Previously Presented)** The isolated polypeptide of claim 32, wherein the Cys residues at positions 131, 173, 209 and 211 of SEQ ID NO:18 are conserved.

40-41. **(Canceled)**

42. **(Original)** An isolated polypeptide comprising a member selected from the group consisting of: (a) amino acids 1 to 419 of SEQ ID NO: 18; (b) amino acids 2 to 419 of SEQ ID NO: 18; and (c) amino acids 47 to 419 of SEQ ID NO: 18.

43. **(Original)** The isolated polypeptide of claim 42, wherein said member is (a).

44. **(Original)** The isolated polypeptide of claim 42, wherein said member is (b).

45. **(Original)** The isolated polypeptide of claim 42, wherein said member is (c).

46. **(Canceled)**

47. **(Original)** An isolated polypeptide comprising amino acids 1-396 in SEQ ID NO:2.

48. **(Previously Presented)** An isolated polypeptide comprising an amino acid sequence at least 95% identical to amino acids -23 to 326 of SEQ ID NO:4, wherein the polypeptide proliferates endothelial cells.

49-54. **(Canceled)**

55. **(Previously Presented)** The isolated polypeptide of claim 48, wherein the amino acid residues from 61 to 74 of SEQ ID NO:4 are conserved.

56-60. **(Canceled)**

61. **(Previously Presented)** The isolated polypeptide of claim 48, wherein the Cys residues at positions 38, 80, 116 and 118 of SEQ ID NO:4 are conserved.

62-66. **(Canceled)**

67. **(Previously Presented)** An isolated polypeptide comprising a member selected from the group consisting of: (a) amino acids -24 to 326 of SEQ ID NO:4; (b) amino acids -23 to 326 of SEQ ID NO:4; (c) amino acids 1 to 326 of SEQ ID NO:4.

68. **(Original)** The isolated polypeptide of claim 67, wherein said member is (a).

69. **(Original)** The isolated polypeptide of claim 67, wherein said member is (b).

70. **(Original)** The isolated polypeptide of claim 67, wherein said member is (c).

71-74. **(Canceled)**

75. **(Original)** A vector containing the polynucleotide of claim 74.

76. **(Original)** A host cell containing the vector of claim 75.

77. **(Previously Presented)** An isolated polypeptide comprising an amino acid sequence at least 95% identical to an amino acid sequence selected from the group consisting of:

- (a) the amino acid sequence of the polypeptide encoded by the cDNA clone contained in ATCC Deposit No. 75698;
- (b) the amino acid sequence of the full-length polypeptide encoded by the cDNA clone contained in ATCC Deposit No. 75698;
- (c) the amino acid sequence of the full-length polypeptide, excluding the N-terminal methionine residue, encoded by the cDNA clone contained in ATCC Deposit No. 75698;

- (d) the amino acid sequence of the full-length polypeptide encoded by the cDNA clone contained in ATCC Deposit No. 97149; and
  - (e) the amino acid sequence of the full-length polypeptide, excluding the N-terminal methionine residue, encoded by the cDNA clone contained in ATCC Deposit No. 97149,
- wherein the polypeptide proliferates endothelial cells.

78. **(Previously Presented)** The isolated polypeptide of claim 77, wherein the amino acid sequence is at least 95% identical to (a).

79. **(Previously Presented)** The isolated polypeptide of claim 77, wherein the amino acid sequence is at least 95% identical to (b).

80. **(Previously Presented)** The isolated polypeptide of claim 77, wherein the amino acid sequence is at least 95% identical to (c).

81. **(Previously Presented)** The isolated polypeptide of claim 77, wherein the amino acid sequence is at least 95% identical to (d).

82. **(Previously Presented)** The isolated polypeptide of claim 77, wherein the amino acid sequence is at least 95% identical to (e).

83. **(Canceled)**

84. **(Previously Presented)** An isolated polypeptide comprising an amino acid sequence selected from the group consisting of:

- (a) the amino acid sequence encoded by the cDNA clone contained in ATCC Deposit No. 75698;
- (b) the amino acid sequence of the full-length polypeptide encoded by the cDNA clone contained in ATCC Deposit No. 75698;

- (c) the amino acid sequence of the full-length polypeptide, excluding the N-terminal methionine residue, encoded by the cDNA clone contained in ATCC Deposit No. 75698;
- (d) the amino acid sequence encoded by the cDNA clone contained in ATCC Deposit No. 97149;
- (e) the amino acid sequence of the full-length polypeptide encoded by the cDNA clone contained in ATCC Deposit No. 97149; and
- (f) the amino acid sequence of the full-length polypeptide, excluding the N-terminal methionine residue, encoded by the cDNA clone contained in ATCC Deposit No. 97149.

85. **(Previously Presented)** The isolated polypeptide of claim 84, wherein the amino acid sequence is (a).

86. **(Previously Presented)** The isolated polypeptide of claim 84, wherein the amino acid sequence is (b).

87. **(Previously Presented)** The isolated polypeptide of claim 84, wherein the amino acid sequence is (c).

88. **(Previously Presented)** The isolated polypeptide of claim 84, wherein the amino acid sequence is (d).

89. **(Previously Presented)** The isolated polypeptide of claim 84, wherein the amino acid sequence is (e).

90. **(Previously Presented)** The isolated polypeptide of claim 84, wherein the amino acid sequence is (f).

91. **(Previously Presented)** A fusion protein comprising the isolated protein of claim 21 fused to a heterologous polypeptide.

92. **(Previously Presented)** The isolated protein of claim 21 comprising a homodimer.
93. **(Previously Presented)** The isolated protein of claim 21 which is glycosylated.
94. **(Previously Presented)** A fusion protein comprising the isolated protein of claim 32 fused to a heterologous polypeptide.
95. **(Previously Presented)** The isolated protein of claim 32 comprising a homodimer.
96. **(Previously Presented)** The isolated protein of claim 32 which is glycosylated.
97. **(Previously Presented)** A fusion protein comprising the isolated protein of claim 42 fused to a heterologous polypeptide.
98. **(Previously Presented)** The isolated protein of claim 42 comprising a homodimer.
99. **(Previously Presented)** The isolated protein of claim 42 which is glycosylated.
100. **(Previously Presented)** A fusion protein comprising the isolated protein of claim 47 fused to a heterologous polypeptide.
101. **(Previously Presented)** The isolated protein of claim 47 comprising a homodimer.
102. **(Previously Presented)** The isolated protein of claim 47 which is glycosylated.
103. **(Previously Presented)** A fusion protein comprising the isolated protein of claim 48 fused to a heterologous polypeptide.
104. **(Previously Presented)** The isolated protein of claim 48 comprising a homodimer.
105. **(Previously Presented)** The isolated protein of claim 48 which is glycosylated.

106. **(Previously Presented)** A fusion protein comprising the isolated protein of claim 67 fused to a heterologous polypeptide.
107. **(Previously Presented)** The isolated protein of claim 67 comprising a homodimer.
108. **(Previously Presented)** The isolated protein of claim 67 which is glycosylated.
109. **(Previously Presented)** A fusion protein comprising the isolated protein of claim 77 fused to a heterologous polypeptide.
110. **(Previously Presented)** The isolated protein of claim 77 comprising a homodimer.
111. **(Previously Presented)** The isolated protein of claim 77 which is glycosylated.
112. **(Previously Presented)** A fusion protein comprising the isolated protein of claim 84 fused to a heterologous polypeptide.
113. **(Previously Presented)** The isolated protein of claim 84 comprising a homodimer.
114. **(Previously Presented)** The isolated protein of claim 84 which is glycosylated.